Fach

Dart Aerospace Ltd. Thursday, 1/25/2007 10:21:33 AM Kim Johnston User: **Process Sheet** : BEARING CAP : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer **Job Number** : 30452 : 12412 **Estimate Number** Part Number : D312125 حالم: P.O. Number : D3121 REV D S.O. No. : NA **Drawing Number** : 1/25/2007 This Issue Project Number : N/A : NC Prsht Rev. NIA : D : MACHINED PARTS **Drawing Revision** First Issue : NIA : 29253 Material **Previous Run** : 2/1/2007 Qty: **Due Date** Written By Checked & Approved By : Est Rev:A New Issue 06-05-10 JLM Comment **Additional Product** Job Number: Description: Seq. #: **Machine Or Operation:** DELRIN ROUND BAR 1.25" MDELRINR12500 1.0 1.0920 f(s) Comment: Qty.: 0.0546 f(s)/Unit Total: Material: Ø1.25 Delrin Rod (M-DELRIN-R1.2500)Identify as D3121-25 J.F. 07/04/11 Batch: MIOIS HARDINGE CNC LATHE SMALL 2.0 Comment: HARDINGE CNC LATHE SMALL 1-Turn D3121-25 Cap as per Folio FA387 2-Deburr INSPECT PARTS AS THEY COME OFF MACHINE 3.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK 4.0

PACKAGING RESOURCE #1

Comment: SECOND

5.0

PACKAGING 1

Location:

Comment: PACKAGING RESOURCE #1 Identify and Stock

(0 (

101

Dart Aerospace Ltd

W/O:		WORK ORDER C	WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No) <u>.</u>	PAR #: Fault Category:	NCR: Yes	(Not DO	Δ. 💭	Date (7	hv116				

QA: N/C Closed: ____ Date: ___

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
	D : ((NO			Corrective Action Section B		Varification	A	A	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
ı									

NOTE: Date & initial all entries

Date:

Thursday, 1/25/2007 10:21:33 AM

User:

Kim Johnston

Customer: CU-DAR001 Dart Helicopters Services

Process Sheet

Drawing Name: BEARING CAP

Job Number: 30452

Part Number: D312125

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE





Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



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W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	В	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No	:	PAR #: Fault Category:	NCR: `	Yes No D	QA:	Date: _				
			, G	A: N/C Clos	ed:	Date: _				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Anneous	Annroyal		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	30452
Description: Cap	Part Number:	D3121-25
Inspection Dwg: D3121 Rev: D		Page 1 of 1

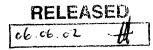
FIRST ARTICLE INSPECTION CHECKLIST

		First Arti	cle	Prot	otype		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Co	omments
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Ø1.000	+/-0.010	1.000	_				
Ø0.838	+/-0.002	. ४३५	<u></u>				
R0.063	+/-0.010	.663	<u></u>				
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Ø0.865	+/-0.001	. 865					
							<u>,,,,</u> ,
Measured by:	84	Audited by:	17		Prototype A	pproval:	N/A
Date:	67.04.12	Date:	07.0	4.12		Date:	N/A

	Date.	67-04.12 Date: 0 1.01.1d		
Rev	Date	Change	Revised by	Approved
Α	04.04.20	New Issue (P/O D3121-241)	KJ/RF	
В	06.06.09	Ø1.000 diameter was Ø1.024	KJ/JLM 🚓	\(\alpha \) \(\begin{align*} \tag{1} \\ \alpha \\ \end{align*}



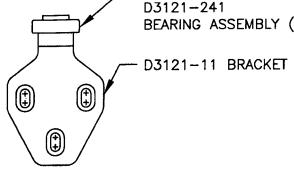
DESIG	n 4	$\subset \mathcal{B}$	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECK	(ED)	APPROVED A	DRAWING NO. REV. D
	MA.K.	#	D3121 SHEET 1 OF 10
DATE		<u> </u>	TITLE SCALE
06.0	5.17		BRACKET ASSEMBLY 1:2
Α		02.04.15	NEW ISSUE
В	-	03.01.16	-ADD RIDGES; ADD MAT'L-PROP; FIX P/N ADD -141/-143/-144/-145/-146
С		04.02.17	ADD CLEARANCE; USE -241 BEARING
D		06.05.17	D3121-25 CAP WAS 1.024, NOW 1.000

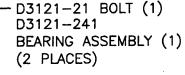


D3121-21 BOLT (1)	
D3121-241	
BEARING ASSEMBLY (1)	

D3121-041 BRACKET ASSEMBLY

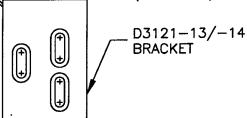
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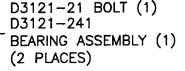




D3121-043 (SHOWN) / D3121-044 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)





D3121-045 (SHOWN) / D3121-046 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-525000 35/-36)

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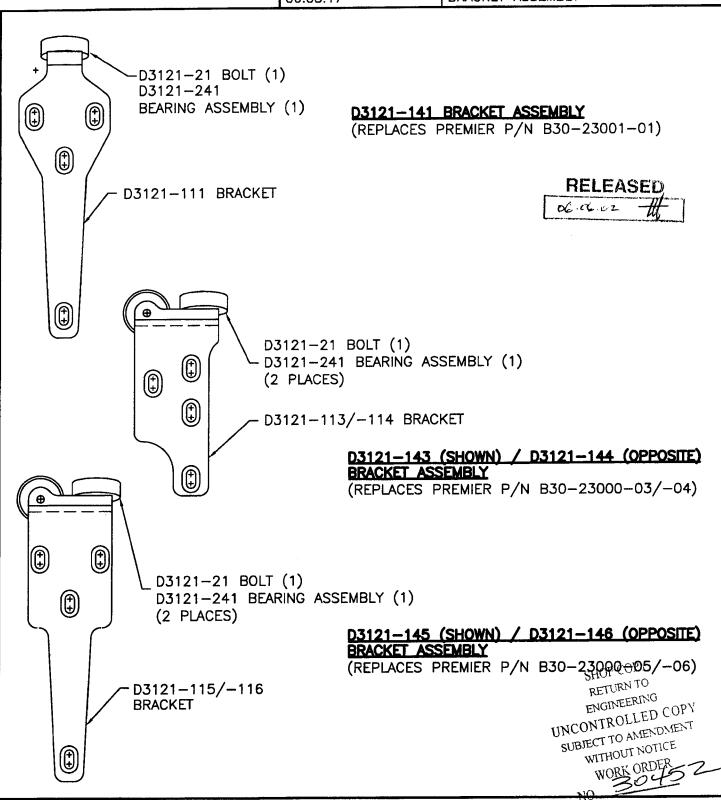
D3121-15/-16 BRACKET

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	CHECKED	APPROVED	DRAWING NO.	REV.	D
	M.k.	-#	D3121	SHEET 2 OF	10
1	DATE		TITLE	SCA	ΙE
	06.05.17		BRACKET	ASSEMBLY 1	:2

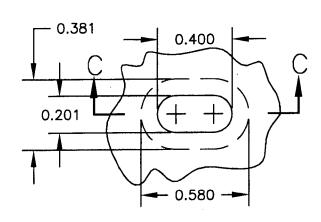


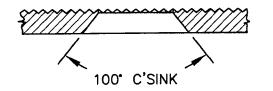
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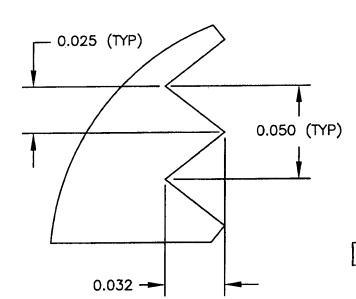
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DATE	1.0	TITLE	SCALE
06.05.17		BRACKET ASSEMBLY	1:1

DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





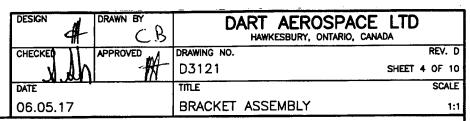
DETAIL B: RIDGE DETAIL PARTIAL SECTION **SCALE 1:20**

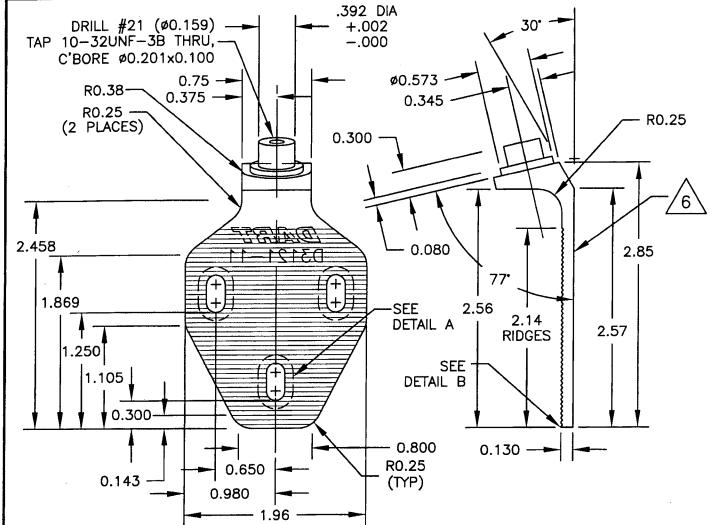


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D3121-11 BRACKET

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N & LOGO AS SHOWN

6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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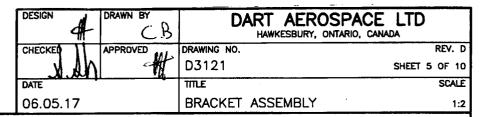
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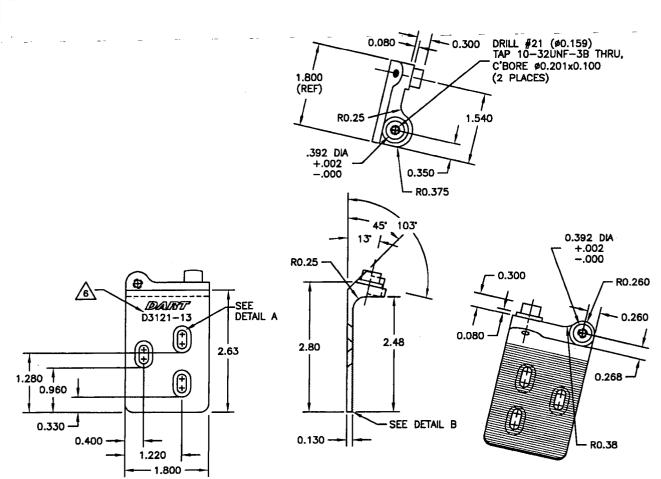
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06 de 02 H

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D3121-13 BRACKET (SHOWN)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) UNCONTROLLED COPY
MIN ULTIMATE TENSII F STRENGTH - 150 II.

MIN YIELD TENSILE STRENGTH = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

SHOP COPY RETURN TO ENGINEERING

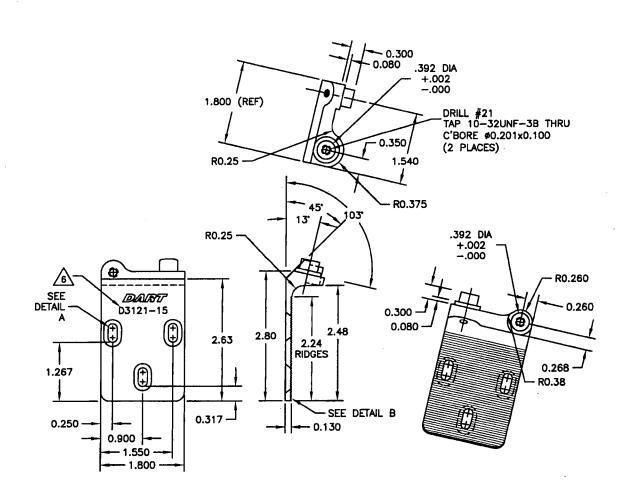
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WORK ORDER

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	Mek	-#	D3121	!	SHEET 6 OF 10
	DATE		TITLE		SCALE
Ì	06.05.17		BRACKET	ASSEMBLY	1:2



D3121-15 BRACKET (SHOWN) D3121-16 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

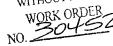
4) BREAK ALL SHARP EDGES 0.005 TO 0.015

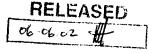
5) ENGRAVE DART P/N AND LOGO AS SHOWN

6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

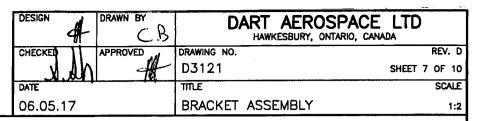
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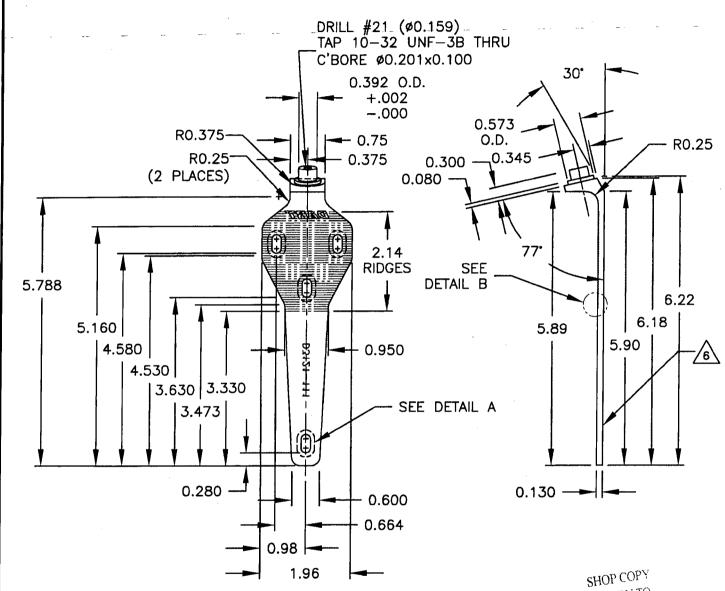
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D3121-111 BRACKET

2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) UNCONTROLLED COPYMIN ULTIMATE TENSILE = 150 ksi MIN YIELD TENSILE = 100 ksi

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHEWISE NOTED

- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 6) ENGRAVE DART P/N & LOGO IN AREAS SHOWN
- 7) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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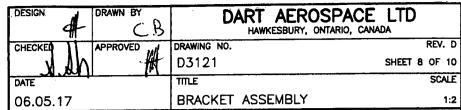
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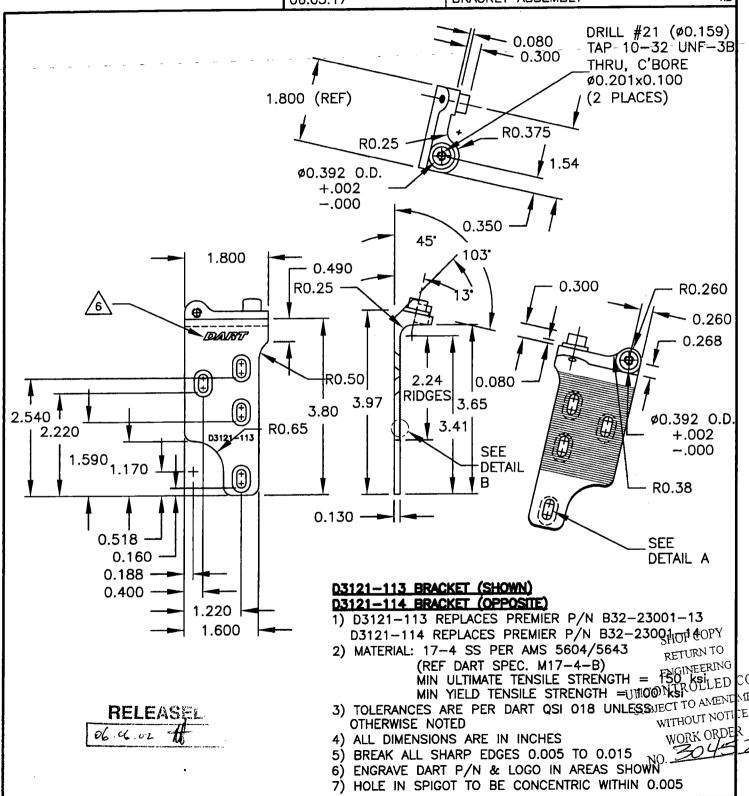
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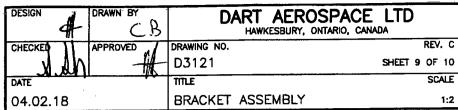


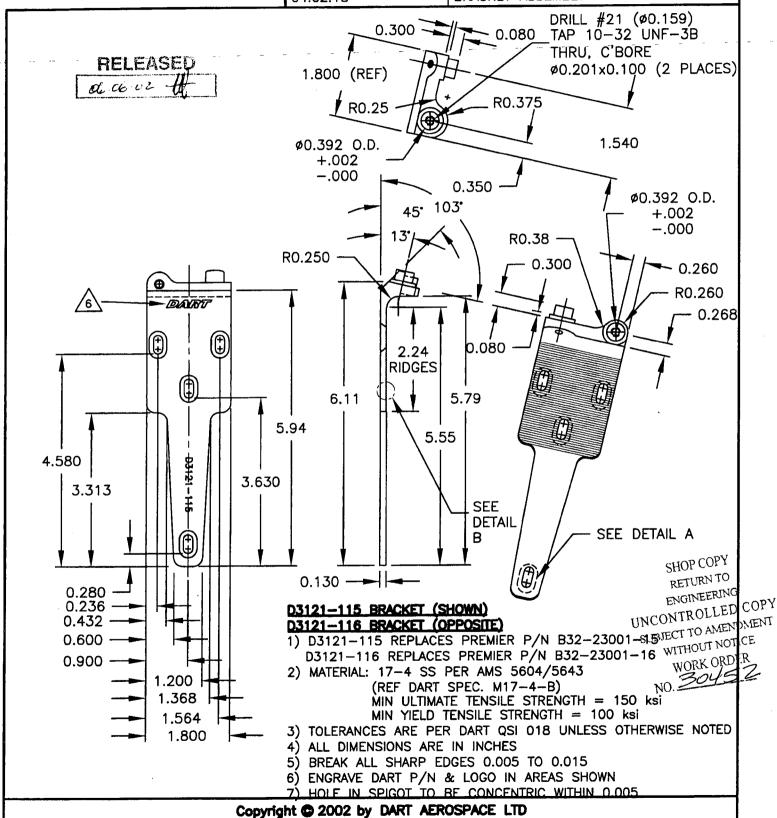




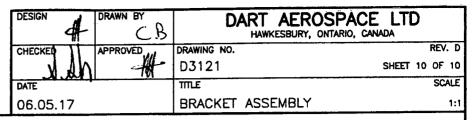
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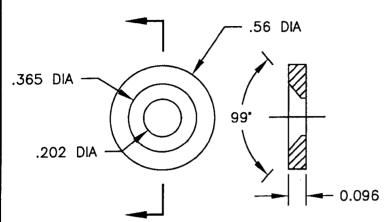






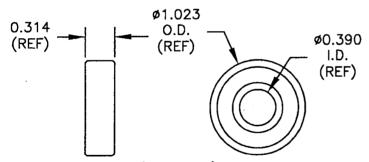






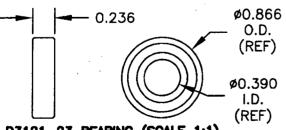
D3121-17 WASHER (SCALE 2:1)

- 1) REPLACES PREMIER P/N B32-23001-17
- 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-19 BEARING (SCALE 1:1)

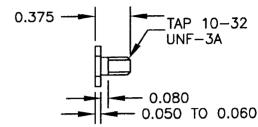
- 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD
- 2) ALL DIMENSIONS ARE IN INCHES



D3121-23 BEARING (SCALE 1:1)

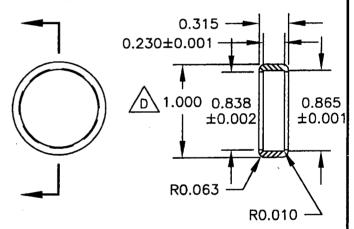
1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ

INCHES ALL DIMENSIONS ARE IN



D3121-21 BOLT (SCALE 1:1)

- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-25 CAP (SCALE 1:1)

1) MATERIAL: DELRIN ROD, Ø1.25

(REF DART SPEC. M-DELRIN-R1.250)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED RETURN TO
- 3) ALL DIMENSIONS ARE IN INCHES

ENGINEERING LINDSHOTROLLED COPY SGABCT TO AMEND WITHOUT NOTIC WORK ORDER D3121-23 **BEARING**

D3121-241 BEARING ASSEBLY (SCALE 1:1)

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